PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet of 1

Substitute for form 1449A/PTO

	Complete if Known	
Application Number	10/634,687	
Filing Date	August 5, 2003	
First Named Inventor	Hari Babu Sunkara	
Group Art Unit	1621	
Examiner Name	Unknown	
Attorney Docket Number	SO-0017 US NA	

				U.S. PATE	NT DOCUMENTS	
Examiner Initials *	Cite No.1		cument Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KK		US-	4,213,000	07/15/1980	Coates	
ex		US -	4,885,410	12/05/1989	De Thomas	
ex		US-	6,111,137	08/29/2000	Suizu et al.	
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FOREIGN PATENT DOCUMENTS								
Examiner	Cite	For	eign Patent Do	cument	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials*		CountryC ode ³	Number ⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	T ₆
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PTO/SB/08a (08-03)
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	Substitute for form 1449A/PTO		Complete if Known				
			Application Number	10/634,687			
	INFORMATION DISCL	OSURE	Filing Date	August 5, 2003			
	STATEMENT BY APP	LICANT	First Named Inventor	Sunkara et al.			
		2107 (111	Art Unit	1621			
	(Use as many sheets as neces:	sary)	Examiner Name	Unknown			
She	et /	r 2	Attorney Docket Number	SO-0017 US NA			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W		us. 2,520,733	08/29/50	Morris et al.	
W		^{US-} 5,633,362 🗸	05/27/97	Nagarajan et al.	
PK		^{US-} 3,326,985	06/20/67	Mason et al.	
px		^{US-} 5,821,092	10/13/98	Nagarajan et al.	
W		^{US-} 5,527,973	06/18/96	Kelsey	
RK		^{us-} 5,686,276	11/11/97	Laffend et al.	
RK		US- 2002/0010374 🕸	01/24/02	Sunkara et al.	
RIL		us- 2002/0007043	01/17/02	Sunkara et al.	
ex !		^{US-} 6,235,948	05/22/01	Sunkara et al.	
M	,	^{US-} 6,245,844	06/12/01	Kurian et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	١.
Initials*	No.'	Country Code ³ 'Number ⁴ 'Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T°
PW	<u> </u>	DE3917645	06/23/88	Wust		
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Substitute for form 1449A/PTO Complete if Known Application Number 10/634,687 INFORMATION DISCLOSURE Filing Date August 5, 2003 STATEMENT BY APPLICANT First Named Inventor Sunkara et al. Group Art Unit 1621 (use as many sheets as necessary) **Examiner Name** Unknown Sheet of 2 SO-0021 US NA **Attorney Docket Number**

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
PK		Copending Application Serial No. 10/634,611, filed August 5, 2003	
W		Copending Application Serial No. 10/634,612, filed August 5, 2003	
CA		Copending Application Serial No. 10/634,666, filed August 5, 2003	
W		S.V. CONJEEVARAM, R.S. BENSON, AND D.J. LYMAN, Department of Materials Science and Engineering, University of Utah, Salt Lake City, Utah 84112, Journal of Polymer Science: Polymer Chemistry Edition, Vol. 23, 429-444 (1985)	
PV		S.M. GHOREISHI AND M.R. HAGHIGHI, Characterization and Reduction of Chromophores In Pulp Mill Effluents, Scientic Iranica, Vol. 4, No. 3, pp 131-138, Sharif University of Technology, October 1997	
DU		HERBERT O. HOUSE, Modern Synthetic Reactions (second edition), W.A. Benjamin, Inc., Menlo Park, California, Reading, Massachusetts, London, Amsterdam, Don Mills, Ontario, Sydney, 1972	
W		SHIGEO NISHIMURA, Professor Emeritus, Tokyo University of Agriculture and Technology, Handbrook of Heterogeneous Catalytic Hydrogenation for Organic Synthesis, A Wiley-Interscience Publication, John Wiley & Sons, Inc., New York, Chichester, Weinheim, Brisbane, Singapore, Toronto	
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Examiner Signature	R. Cerr	Date Considered	30/04

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